

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021924\
 Data File : VD078459.D
 Acq On : 19 Feb 2024 12:25
 Operator : RP/MD
 Sample : VD0219SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBL01

Quant Time: Feb 19 23:47:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

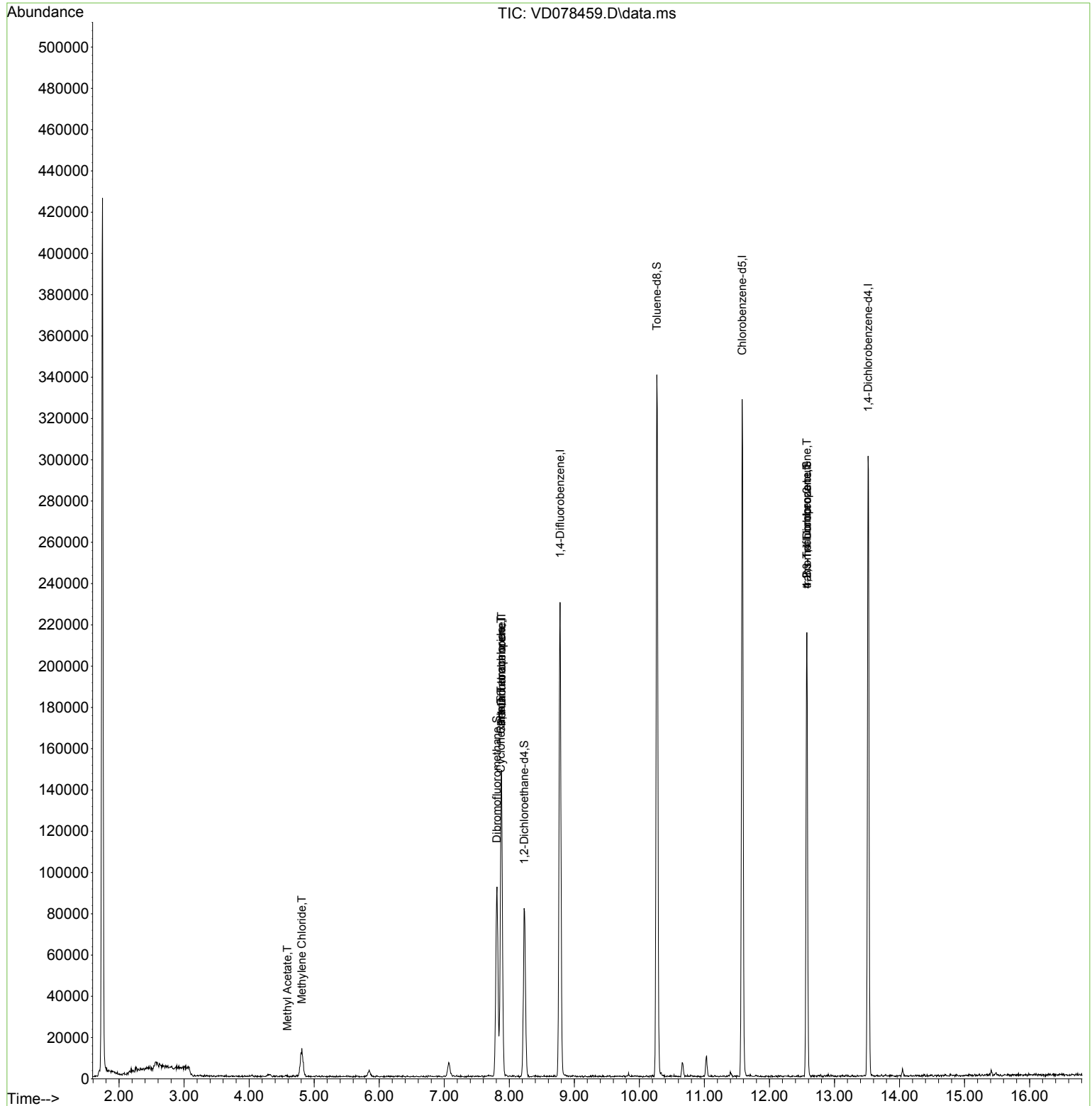
Internal Standards						
1) Pentafluorobenzene	7.881	168	112305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	210996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	196125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62410	51.396	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.800%			
35) Dibromofluoromethane	7.811	113	67391	50.281	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.560%			
50) Toluene-d8	10.269	98	244526	45.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.220%			
62) 4-Bromofluorobenzene	12.575	95	64467	41.319	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.640%			
Target Compounds						
11) Tert butyl alcohol	5.034	59	117	Below Cal	#	73
16) Acetone	4.034	43	571	Below Cal	#	32
18) Methyl Acetate	4.587	43	62	4.006	ug/l #	42
20) Methylene Chloride	4.811	84	10497	4.840	ug/l #	80
25) 2-Butanone	7.069	43	191	Below Cal	#	37
31) Cyclohexane	7.869	56	2300	1.120	ug/l #	39
36) 1,1-Dichloropropene	7.881	75	9004	4.324	ug/l #	47
38) Carbon Tetrachloride	7.875	117	11615	5.633	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	33984	48.072	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	33984	99.799	ug/l #	17

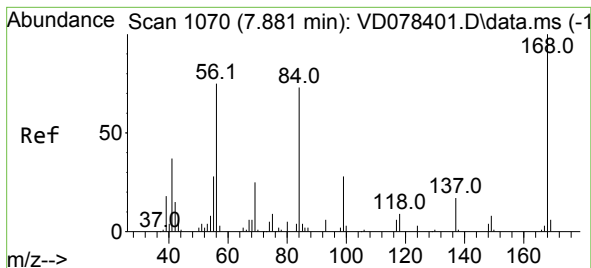
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 14 01:16:20 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

Instrument :

MSVOA_D

ClientSampleId :

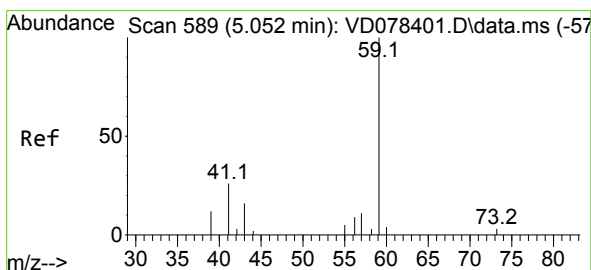
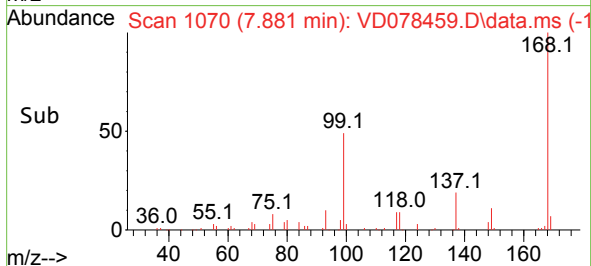
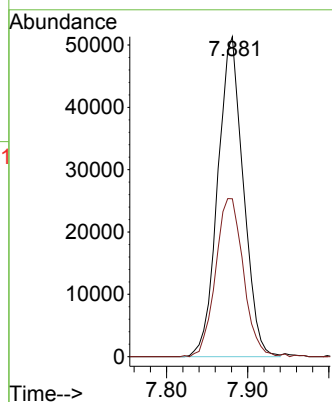
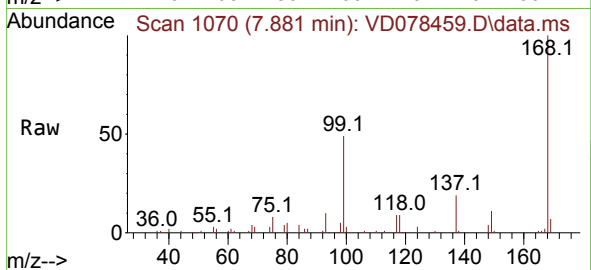
VD0219SBL01

Tgt Ion:168 Resp: 112305

Ion Ratio Lower Upper

168 100

99 49.4 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.034 min Scan# 586

Delta R.T. -0.018 min

Lab File: VD078459.D

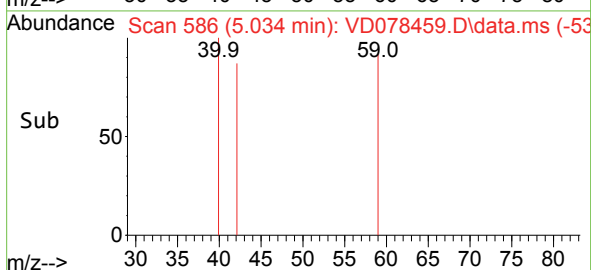
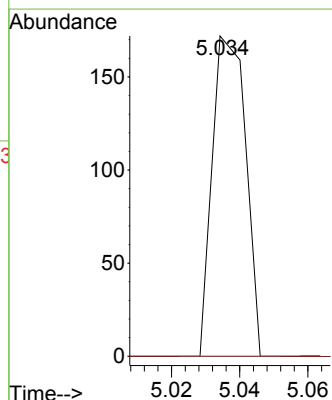
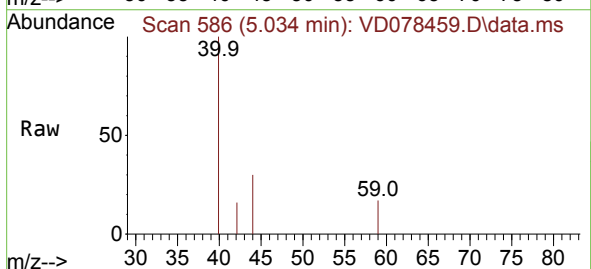
Acq: 19 Feb 2024 12:25

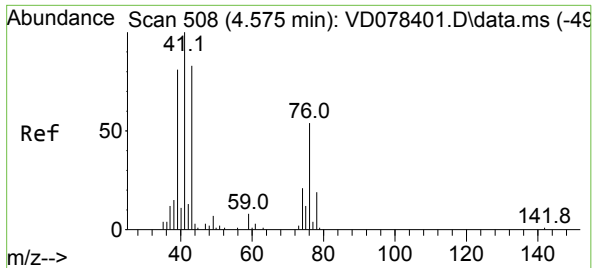
Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

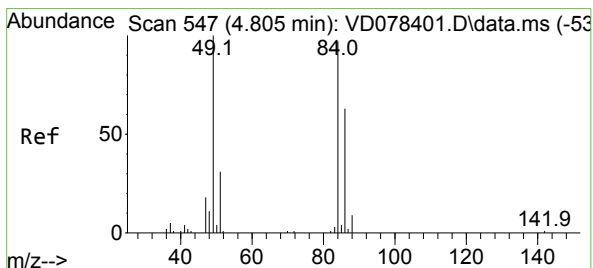
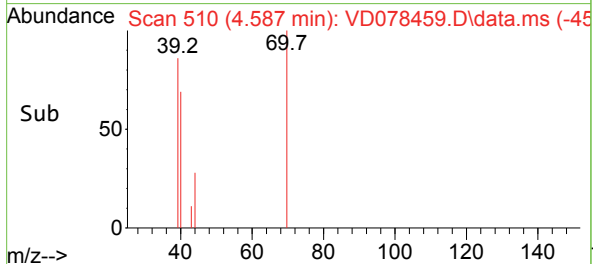
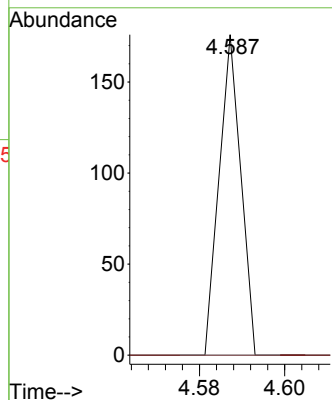
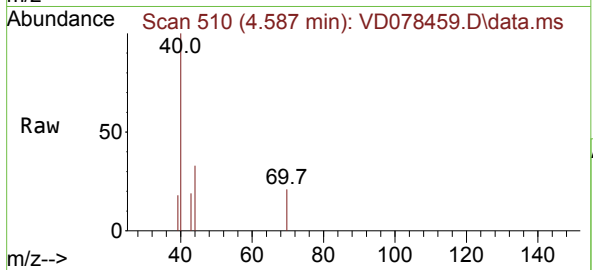




#18
Methyl Acetate
Concen: 4.006 ug/l
RT: 4.587 min Scan# 510
Delta R.T. 0.012 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

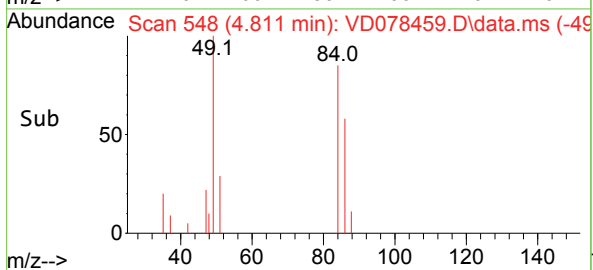
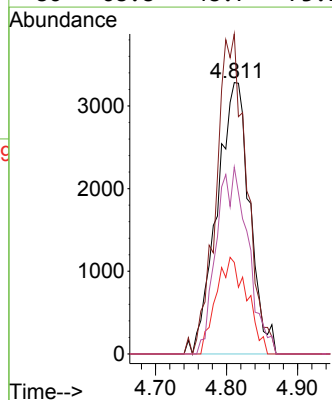
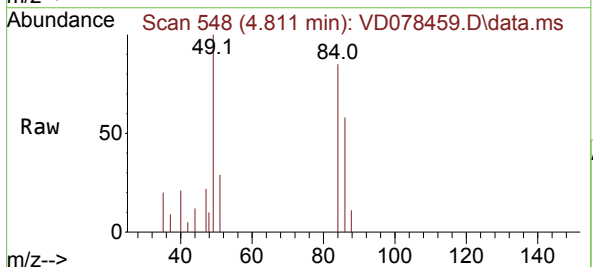
Instrument :
MSVOA_D
ClientSampleId :
VD0219SBL01

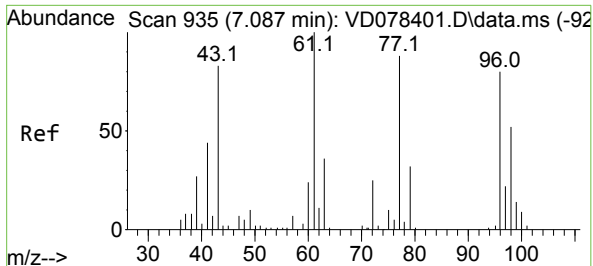
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 4.840 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

Tgt Ion: 84 Resp: 10497
Ion Ratio Lower Upper
84 100
49 117.9 71.4 107.2#
51 33.7 24.5 36.7
86 68.8 48.7 73.1





#25

2-Butanone

Concen: Below Cal

RT: 7.069 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

Instrument :

MSVOA_D

ClientSampleId :

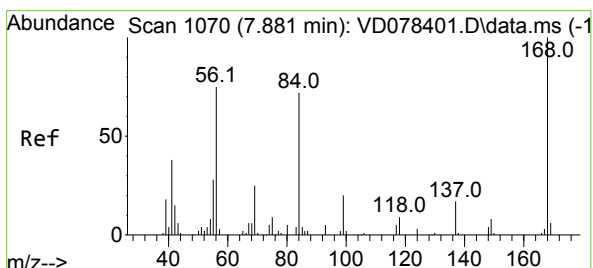
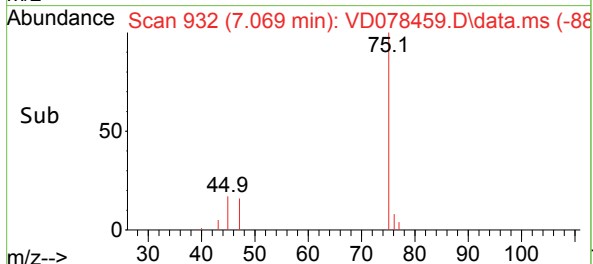
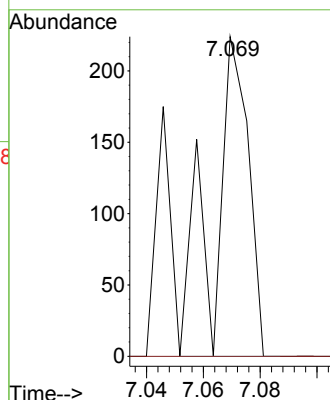
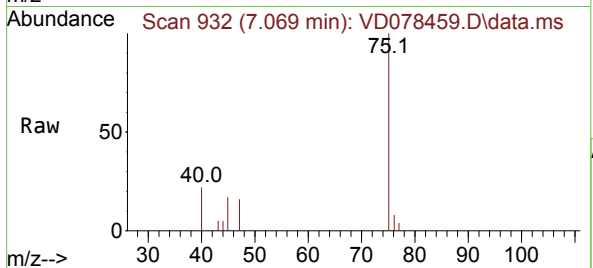
VD0219SBL01

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

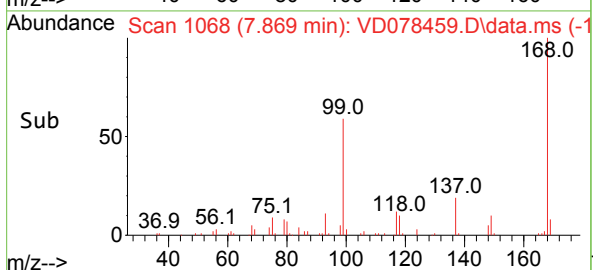
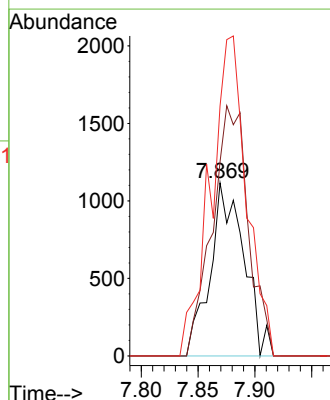
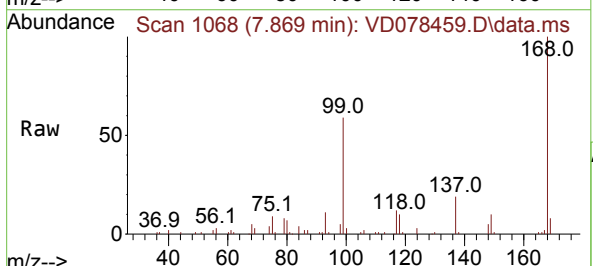
Tgt Ion: 56 Resp: 2300

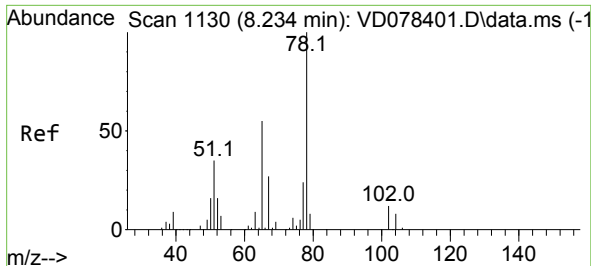
Ion Ratio Lower Upper

56 100

69 112.1 28.6 43.0#

84 144.3 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 51.396 ug/l

RT: 8.228 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

Instrument :

MSVOA_D

ClientSampleId :

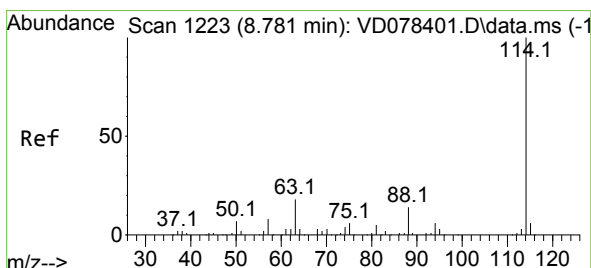
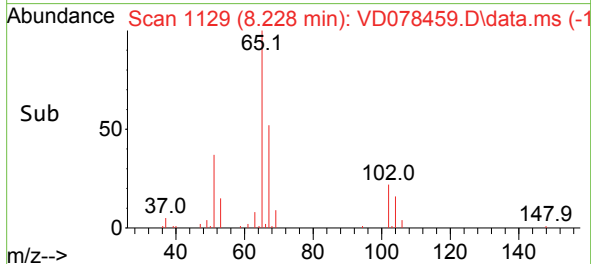
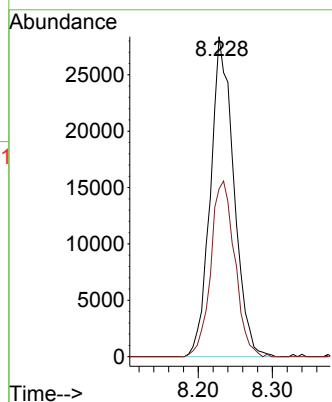
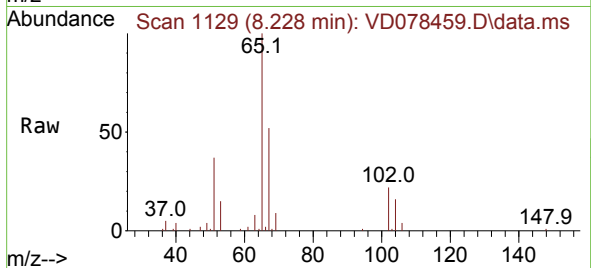
VD0219SBL01

Tgt Ion: 65 Resp: 62410

Ion Ratio Lower Upper

65 100

67 56.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

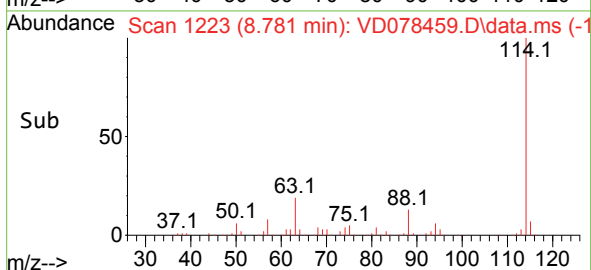
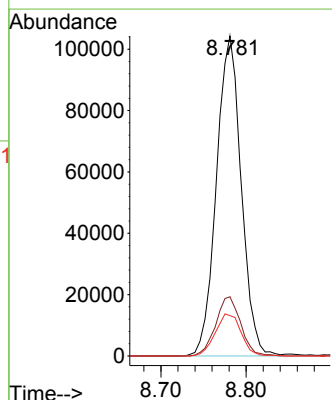
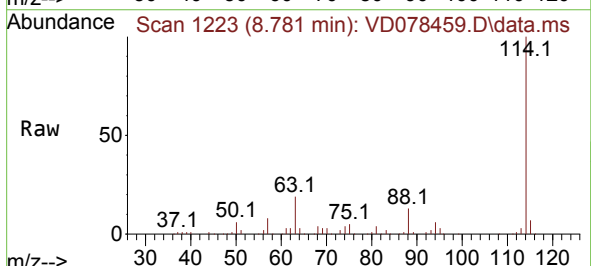
Tgt Ion: 114 Resp: 210996

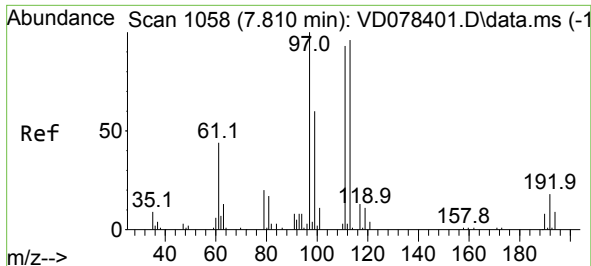
Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 12.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.281 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBL01

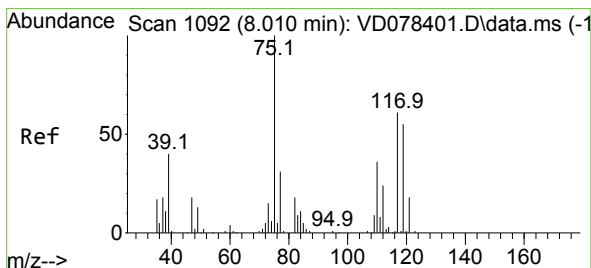
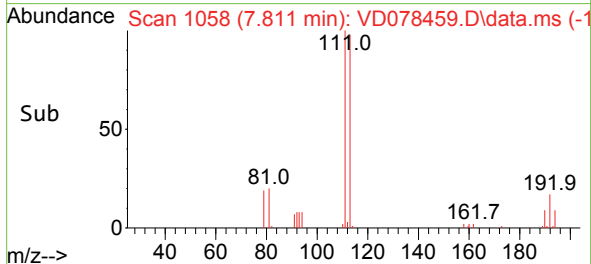
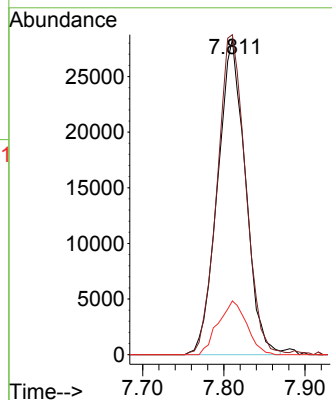
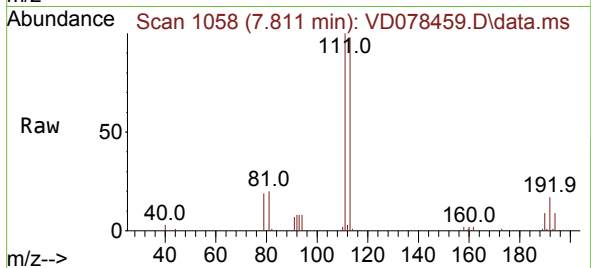
Tgt Ion:113 Resp: 67391

Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 17.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.324 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

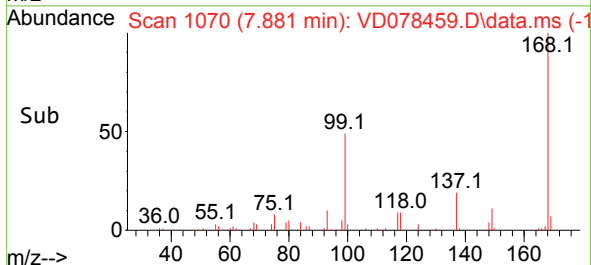
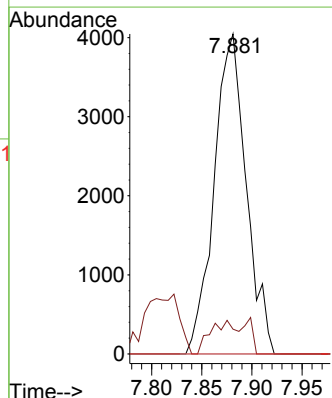
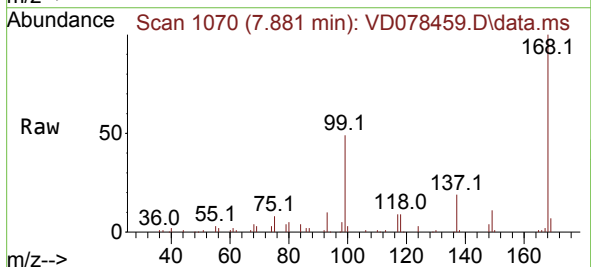
Tgt Ion: 75 Resp: 9004

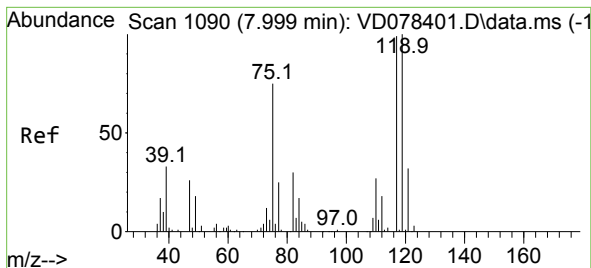
Ion Ratio Lower Upper

75 100

110 8.6 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.633 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD078459.D

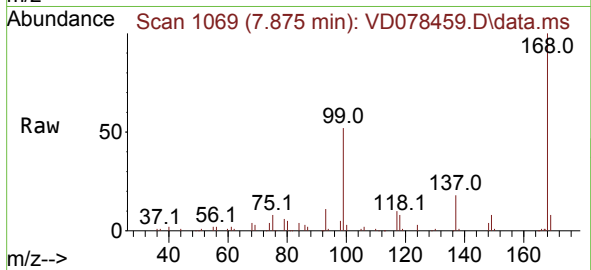
Acq: 19 Feb 2024 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBL01



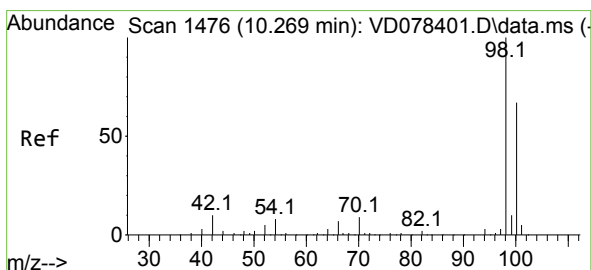
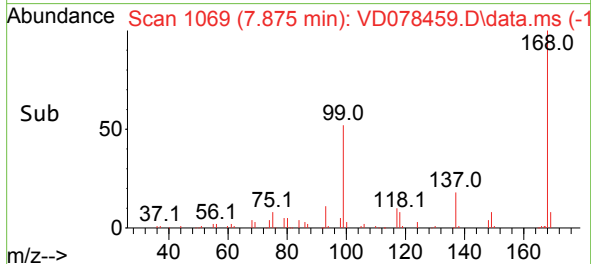
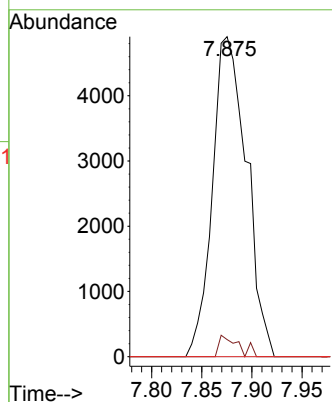
Tgt Ion:117 Resp: 11615

Ion Ratio Lower Upper

117 100

119 5.4 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.608 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078459.D

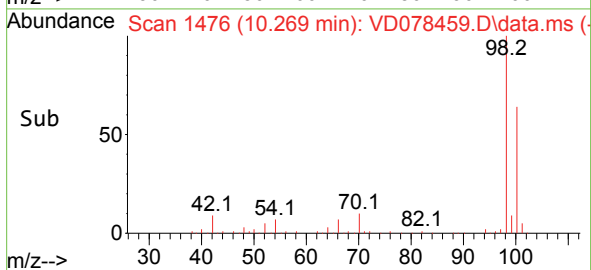
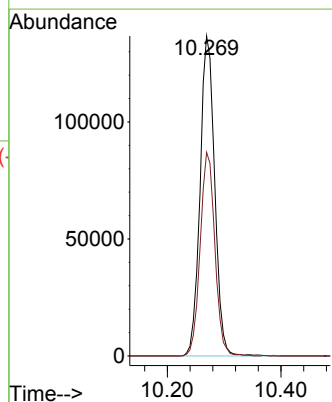
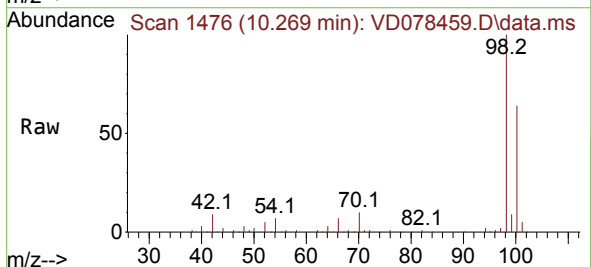
Acq: 19 Feb 2024 12:25

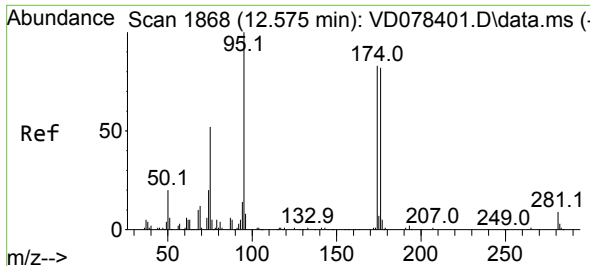
Tgt Ion: 98 Resp: 244526

Ion Ratio Lower Upper

98 100

100 63.9 50.3 75.5

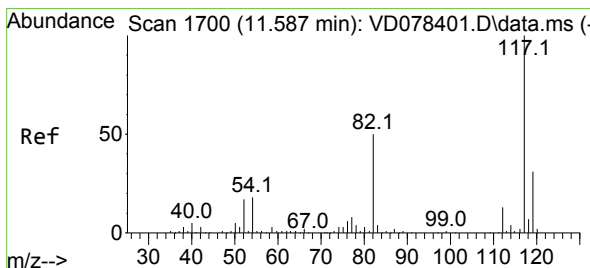
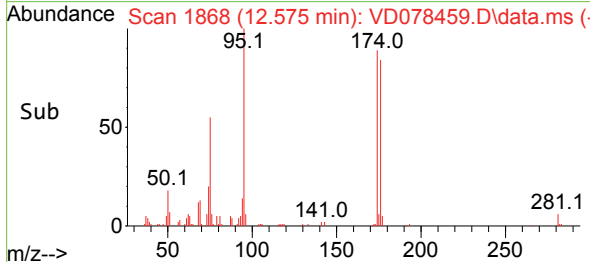
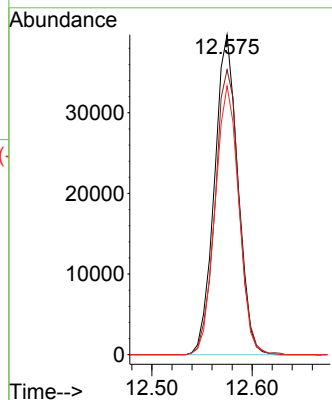
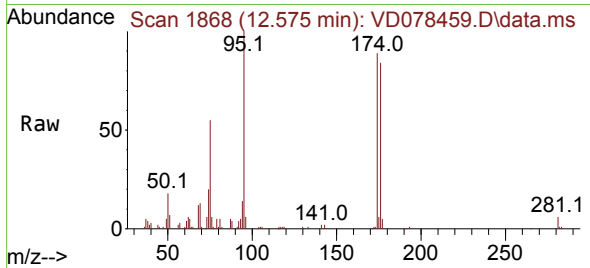




#62
4-Bromofluorobenzene
Concen: 41.319 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

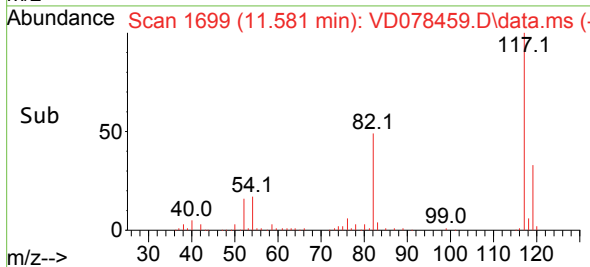
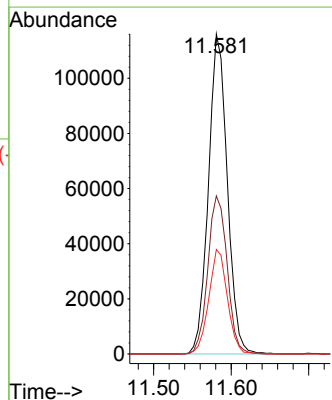
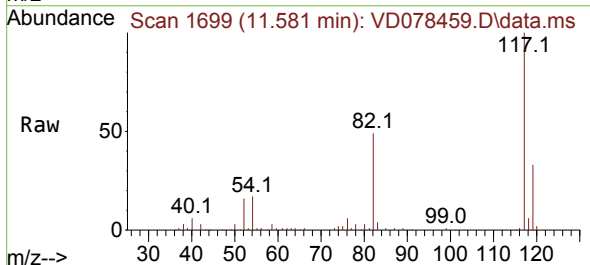
Instrument :
MSVOA_D
ClientSampleId :
VD0219SBL01

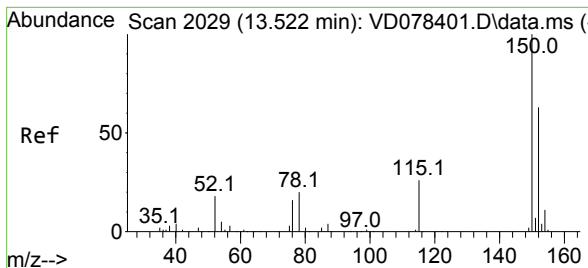
Tgt Ion: 95 Resp: 64467
Ion Ratio Lower Upper
95 100
174 90.7 0.0 201.8
176 85.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

Tgt Ion: 117 Resp: 196125
Ion Ratio Lower Upper
117 100
82 49.4 38.3 57.5
119 32.6 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBL01

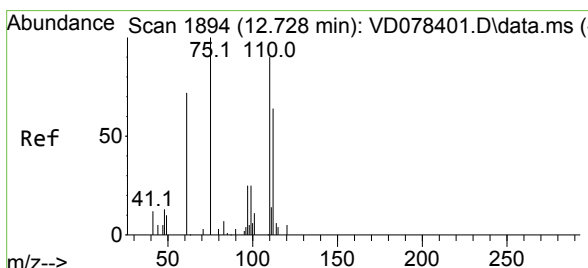
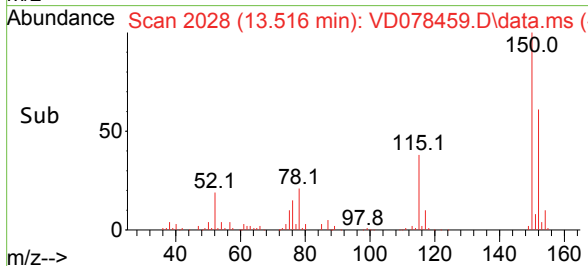
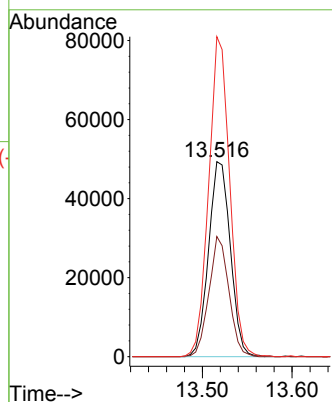
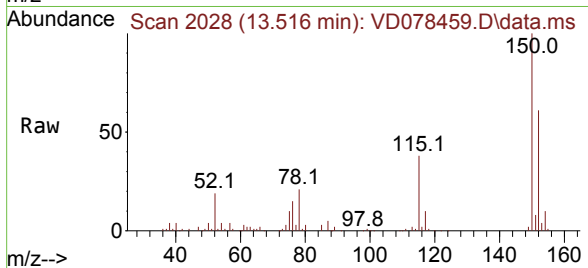
Tgt Ion:152 Resp: 83270

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 157.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 48.072 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD078459.D

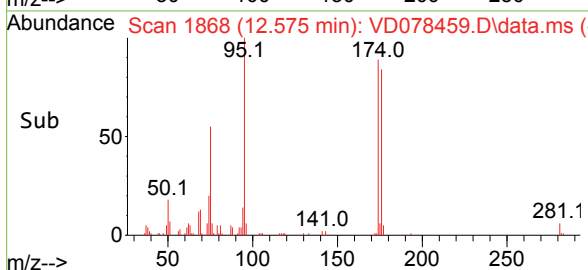
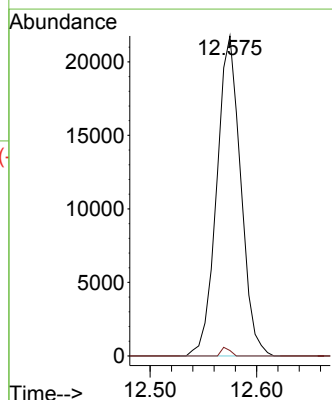
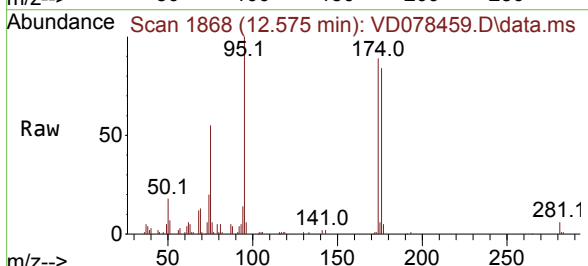
Acq: 19 Feb 2024 12:25

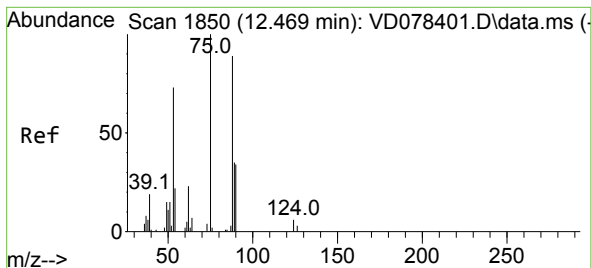
Tgt Ion: 75 Resp: 33984

Ion Ratio Lower Upper

75 100

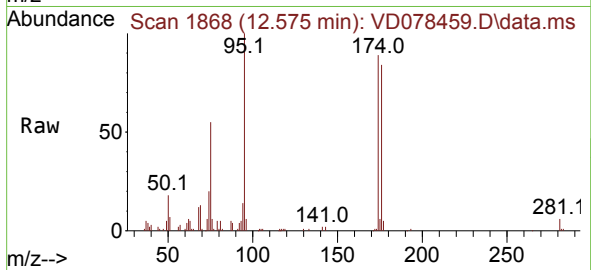
77 1.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 99.799 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBL01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

